

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0002] with the following:

[0002] This application is related to the following co-pending and commonly assigned patent application: Serial No. 10/738,508xx/xxxxxx, filed xx/xx05/09/2003, ~~Attorney Docket No. TI-36349~~, entitled “Interferer Detection and Channel Estimation for Wireless Communications Systems.”

Please replace paragraph [0006] with the following:

[0006] Additionally, when multiple users are transmitting, the information may become mixed together and it may be necessary to extract one (or more) user's information from a received signal. For receivers with multiple antennas, linear schemes can be used to extract the desired information.